



City of Concord, New Hampshire

PURCHASING DIVISION

COMBINED OPERATIONS & MAINTENANCE FACILITY

311 NORTH STATE STREET, CONCORD, NH 03301

603-230-3664 FAX: 603-230-3656

www.concordnh.gov

INVITATION FOR BIDS

The Purchasing Division, located at the Combined Operations & Maintenance Facility, 311 North State Street, Concord, New Hampshire 03301, will receive sealed Bids for "Penacook Wastewater Treatment Facility, Phase One Concrete Repairs", until 2:00 PM on **September 12, 2012** at which time and place they will be opened and publicly read. The sealed envelope should be plainly marked:

"B06-13, Penacook Wastewater Treatment Facility, Phase One Concrete Repairs"

Bids may be issued only by the Purchasing Manager to authorized firms and are not transferable unless authorized by the Purchasing Manager.

Plans and specifications may be purchased from the Purchasing Division, Combined Operations & Maintenance Facility, 311 North State Street, Concord, NH 03301 (603) 225-8530 for a non-refundable fee of \$100 per set. An additional non-refundable fee of \$50 per set must be paid if the plans and specifications are to be mailed. Contractors may provide FedEx billing number (no UPS billing allowed).

A **Mandatory** pre-bid informational meeting will be held at 10:00 AM on August 29, 2012 at the Penacook Wastewater Treatment Facility, 7 Penacook Street, Concord, NH 03301.

Each bid shall be accompanied by a certified check, cash, check drawn by a New Hampshire bank, or bid bond for and subject to conditions provided in the Instruction to Bidders. The amount of such bid deposit shall be ten percent (10%) of the total bid, made payable to the City of Concord, New Hampshire.

The successful bidder will be required to furnish a Performance bond and a separate Payment Bond, each in the amount of one hundred percent (100%) of the contract price.

Progress Payments: On not later than the last day of every month, the Contractor shall prepare and submit an invoice covering the total quantities of work that have been completed from the start of the job up to and including the last day of the preceding month together with such supporting evidence as required by the City.

Retainage: The City shall retain a portion of the progress payments, each month, in accordance with the following procedures:

1. Until work is 50% complete, as determined by the City, retainage shall be 10% of the monthly payments claimed. The computed amount of retainage shall be deposited in a non-interest bearing account established by the City.
2. After the work is 50% complete, and provided the Contractor has satisfied the City in quality and timeliness of the work, and provided further that there is no specific cause for withholding additional retainage no further amount shall be withheld.
3. Upon substantial completion, the amount of retainage shall be reduced to 2% of the total contract price plus an additional retainage based on the City's estimate of the fair value of the punch list items and the cost of completing and/or correcting such items of work, with specified amounts for each incomplete or defective item of work. As these items are completed or corrected, they shall be paid out of the retainage until the entire project is declared completed. The final 2% retainage shall be held, in the non-interest bearing account, during the one year warranty period and released only after the City has accepted the project.

Liquidated damages shall be required in the event that the project completion is unnecessarily delayed beyond the contract completion date. The liquidated damages requirements are further detailed in B06-13, General Terms and Conditions.

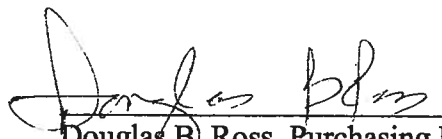
The City of Concord reserves the right to reject any or all bids or any part thereof, to waive any formality, informality, information and/or errors in the bidding, to accept the bid considered to be in the best interest of the City, or to purchase on the open market if it is considered in the best interest of the City to do so.

Failure to submit all information as detailed on the Bid Submission Checklist and/or submission of an unbalanced bid are sufficient reasons to declare a bid as non-responsive and subject to disqualification.

All bids are advertised, at the City's discretion, in various publications and are posted publicly as detailed below:

Name	Advertising Medium	Address	Phone/Fax	Email and Web Address
City of Concord, NH	Posted on City Website and in City Hall Lobby	41 Green Street, Concord NH 033301	603.225.8530 603.230.3656(fax)	purchasing@concordnh.gov www.concordnh.gov/purchasing
Associated General Contractors	Bid House	48 Grandview Drive, Bow NH 03304	603.225.2701 603.226.3859(fax)	plansroom@agcnh.org www.agcnh.com
Construction Summary of NH	Bid House	734 Chestnut St, Manchester NH 03104	603.627.8856 603.627.4524(fax)	info@constructionsummary.com www.constructionsummry.com
Bid Ocean	Bid House	PO Box 40445, Grand Junction, CO 81501	866.347.9657 877.356.9704(fax)	bids@bidocean.com www.bidocean.com
McGraw Hill Construction	Bid House	880 Second Street, Manchester NH 03102	603.645.6554 603.645.6714(fax)	una_taylor@mcgraw-hill.com www.construction.com
New England Construction News - CDC News	Bid House	100 Radnor Rd S-102, State College, PA 16801	1.800.652.0008 1.888.285.3393(fax)	plans@cdcnews.com www.cdcnews.com

APPROVED:


 Douglas B. Ross, Purchasing Manager
 Date: 8/22/12

Bid Due Date/Time: September 12, 2012 not later than 2:00 PM

SECTION 01010SUMMARY OF WORKPART 1 - GENERAL1.1 DESCRIPTION

- A. Work Included: Phase One Concrete Repairs at the Penacook Wastewater Treatment Facility located in Concord, New Hampshire. The major proposed work under this Contract includes:
1. Renovation of:
 - a. Concrete cracks, surface defects and expansion joint;
 - b. Concrete tank walkway bridge supports;
 - c. Concrete tank curbs;
 - d. Operations Building concrete wall panels; and
 - e. Other appurtenances as shown on the Drawings and specified herein.
 2. Demolition/removal of:
 - a. Cementitious overlays;
 - b. Concrete;
 - c. Sealants
 - d. Other removals/demolitions as shown on the Drawings and specified herein.
 3. Construction of:
 - a. Miscellaneous aluminum handrails/guards
 - b. Other miscellaneous appurtenances.
 4. Maintain plant flow and treatment processes as detailed in Part 3 of this section.
 5. Remove and/or relocate equipment as indicated on the Drawings.
- B. Related Work Specified Elsewhere:
1. Coordination: Section 01050
 2. Construction Schedules: Section 01310.
 3. Temporary Bypass Pumping: 01515
- C. Removals, Relocations and Rearrangements
1. Examine the existing site for the work of all trades which will influence the cost of the work under the bid. This work shall include removals, relocations and rearrangements which may interfere with, disturb or complicate the performance of the work under the bid involving systems, equipment and related service lines, which shall continue to be utilized as part of the finished project. The Contractor is responsible for all coordination in this regard.
 2. Provide in the bid a sufficient amount to include all removals, relocations, rearrangements and reconnections herein specified, necessary or required to provide approved operation and coordination of the combined new and existing systems and equipment.

PART 2 - PRODUCTS

Not Applicable.

PART 3 - EXECUTION

3.1 MAINTAIN EXISTING WORKS

A. Existing Operations:

1. The existing WWTF provides influent pumping, mechanical fine screening, secondary treatment (via sequencing batch reactors) and chlorine disinfection/dechlorination of wastewater.
2. Typical raw wastewater influent flows to the WWTF are as follows:
 - a. Minimum: 0.20-mgd
 - b. Annual Average: 0.55-mgd
 - c. Maximum Month: 2.5-mgd
 - d. Peak Hour: 5.2-mgd
 - e. Contractor shall be required to convey the entire range of influent flows for the duration of the project. Bypass pumping shall be variable speed to match influent flows. Refer to Section 01515.
4. Routine laboratory analyses are performed in conjunction with treatment. Treatment plant maintenance equipment and vehicles are stored on the premises.
5. Utilities include municipal water, electric power, natural gas, telephone and fuel oil.

B. Maintain Treatment:

1. State and federal regulations require that at all times during construction work under this contract, the treatment facility remain operational (i.e. provide pumping, secondary treatment and disinfection as well as sludge handling and disposal) throughout construction, until such time as the new facilities are accepted and on-line.
2. The responsibility of the Contractor shall be to provide, maintain and operate all temporary facilities such as dams, pumping equipment, conduits, and all other labor and equipment necessary to intercept the sewage flow before it reaches the points where it would interfere with his work, and carry it past his work such that essential treatment processes remain operational and effective.
3. The Contractor's operations shall not hinder the delivery, storage and use of materials and supplies, nor hinder staff duties, nor disrupt utility service.
4. The Owner must have access to the existing plant and equipment at all times unless a specific exception is granted by the Owner.
5. In order to maintain the required degree of treatment, the Contractor must schedule his operations so that the following requirements can be complied with:
 - a. Work on the screw pump distribution box (interior and exterior), influent channel, and SBR Distribution Box must be completed during the operation of bypass pumping. Bypass pumping shall be limited to a maximum of 30 days.
 - b. Work with SBR No. T-401, Surge Flow Storage Tank No. T-303, Surge Flow Storage Tank No. T-304, and Chlorine Pump Room can be completed without the use of bypass pumping.
 - c. Influent screening must be provided during periods when the bypass pumps are not operational.
 - d. SBR No. T-402 must be maintained on-line at all times.
 - e. Either Surge Flow Storage Tank No. T-303 or T-304 must be available at all times to accept surge flows in excess of the capacity of the SBR(s).
 - f. The remainder of the unit processes must be maintained operational in full during the entire construction period.

C. Minimize Interference

1. The Contractor shall at all times conduct his operations so as to interfere as little as possible with existing works. The Contractor shall develop a program, in cooperation with the Owner and Engineer, which shall provide for the construction and putting into service of the new works in the most orderly manner possible. This program shall be adhered to except as deviations therefrom are expressly permitted.
2. Work of connecting with, cutting into, and reconstructing existing structures shall be planned to interfere with the operation of the existing facilities for the shortest possible time and when the demands on the facilities best permit such interference. It may be necessary to work outside of normal working hours and with multiple crews to minimize interference. Before starting work which will interfere with the operation of existing facilities, the Contractor shall do

- all possible preparatory work and shall see that all tools, materials, and equipment are made ready and at hand.
3. Any demolition of existing concrete shall require the Contractor to keep dust from entering the Operations building. Contractor shall provide temporary measures as required to control the exposure of dust to the treatment plant personnel and the remainder of the facility. The Contractor shall provide for continuous safe passage around work for treatment facility personnel.
 4. The Contractor shall not use the Owner's bathrooms or kitchen facilities.
 5. The Contractor shall limit his personnel to the proposed work areas and limits of work.
 6. The Contractor shall limit parking of workers and subcontractors to areas designated by the Owner. On-site speed limit is 10 MPH.

3.2 CONSTRUCTION SEQUENCE

- A. Construction of the proposed treatment facilities will disrupt the existing treatment facility structures and operations. To maintain treatment and to minimize disruption, the construction must be divided into phases or sequenced appropriately. The construction sequence phases and dates must allow the facility to maintain treatment as specified in paragraph 3.1,B. Refer to paragraph 3.1,B,5. The Contractor may deviate from this construction sequencing as outlined in paragraph 3.2,C.
- B. The Contractor shall submit to the Engineer for review and acceptance a complete schedule of his proposed sequence of construction operations prior to commencing any work. This schedule shall include the Contractor's plans for doing the work.
- C. The Contractor must submit to the Engineer a written request to deviate from the above sequence, provided he can demonstrate to the Engineer that the continuity and degree of treatment will not be adversely affected.
- D. The Contractor shall include the cost of all temporary facilities required to maintain treatment during the construction period in his lump-sum bid price. The cost shall include the cost for all labor, tools, equipment and materials necessary.
- E. It shall be recognized that certain interruptions of, and disruptions to, the treatment processes and present plant operations will be required to complete the work of this Contract. Scheduled interruptions requiring interruption or bypassing of treatment process shall be kept to a minimum frequency and duration. Such interruptions shall be coordinated by the Contractor and the Owner using the Contractor's proposed work schedule, but shall not affect the facilities ability to maintain treatment as described above.
- F. The Contractor shall notify the Owner a minimum of seven (7) days in advance of any work which may affect or disrupt the operation of the existing facilities and two (2) calendar weeks in advance of removing tanks from service. Once the interruption occurs the Contractor must maintain a workforce on-site to complete the work in the agreed upon time.
- G. Any work by the Contractor which requires the mechanical or electrical isolation of an existing piece of equipment, process or system shall be coordinated with the Owner and Engineer. Any and all isolation of electrical or mechanical equipment or process shall be accomplished in strict accordance with applicable codes and

- standards and the stricter of the Contractor's or Owner's lock-out/tag-out procedures.
- H. The Contractor shall have all materials and equipment on-site, and shall receive the Owner's approval, prior to initiating work which requires any part of the existing wastewater treatment plant to be off-line.
 - I. Limited down-time of certain existing process units is specified in this specification. Should the Contractor fail to complete the Work within the down-time specified and should the Owner incur any actual costs directly or indirectly as a result thereof that would otherwise not have incurred had the Contractor successfully completed the Work within the specified down-time, the Contractor agrees to pay the Owner such actual incurred costs. Such costs may include, but not be limited to, Owner's actual costs of any additional maintenance and operations labor, material, equipment, and chemical costs, or any other related actual costs incurred in order for the Owner to keep the existing plant in normal operating condition.
 - J. The Contractor shall allow in the Bid reasonable time to accommodate operations at the existing wastewater treatment plant, including the need for the Owner to respond to emergencies. The Contractor shall not be eligible for additional compensation due to interruptions of the Contractor's schedule, in order for the Owner to respond to routine conditions.
 - K. The Contractor shall include the cost of all temporary facilities required to maintain treatment during the construction period in his lump-sum bid price. The cost shall include the cost for all labor, tools, equipment, materials and temporary systems, as necessary.

END OF SECTION